

CLAIMS

1. A method for treating or preventing an *Aspergillus* infection in a mammal comprising administering to said mammal a pharmaceutical composition comprising antifungal effective amount of thymosin alpha 1 (TA1).

5 2. The method according to claim 1, wherein said TA1 is administered at a dose sufficient to activate dendritic cells to produce Th1 cell promoting cytokines.

3. The method according to claim 1, wherein said TA1 is administered at a dose of 200 to 400 micrograms/kg body weight/day.

10 4. The method according to claim 1, wherein said mammal is an immuno-compromised host.

5. The method according to claim 4, wherein said mammal is a human.

6. The method according to claim 5, wherein said human is a bone marrow transplantation recipient.

15 7. The method according to claim 5, wherein said TA1 is administered to activate dendritic cells to produce Th1 cell promoting cytokines.

8. The method according to claim 5, wherein said TA1 is administered at a dose of 200 to 400 micrograms/kg body weight/day.

20 9. The method according to claim 1, wherein the method further comprises administering to said person at least one additional antifungal agent.

10. The method according to claim 9, wherein the additional antifungal agent is Amphotericin B.

11. The method according to claim 10, wherein said Amphotericin B is administered at a dose of 4000 micrograms/kg body weight/day.

25 12. The method of claim 1 wherein said *Aspergillus* infection is Invasive Aspergillosis.